

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. through 6. (Cancelled)

7. (Previously Presented) A transformer, comprising:

a printed circuit board comprising a receiving hole and an upper surface;

a bobbin inserted into the receiving hole of the printed circuit board, the bobbin comprising:

a winding axis around which is wound a coil, the winding axis being perpendicular to the upper surface of the printed circuit board;

a lower portion at one end of the winding axis;

a plurality of pins connected to the lower portion, each pin comprising a horizontal support portion that extends in parallel contact with the upper surface of the printed circuit board to support the bobbin on the printed circuit board,

wherein a diameter of the receiving hole is minutely larger than a diameter of the portion of the bobbin inserted therein, to hold the bobbin.

8. (Previously Presented) The transformer of claim 7, each pin further comprising a fixing portion extending from the horizontal support portion in a perpendicular relation to the upper surface of the printed circuit board to extend into an opening in the printed circuit board.

9. (Previously Presented) The transformer of claim 7, wherein a radially inner face of the receiving hole and a radially outer face of the bobbin adjacent to the radially inner face of the receiving hole are perpendicular to the upper surface of the printed circuit board throughout a total thickness of the circuit board.

10. (Previously Presented): The transformer of claim 7, wherein a plurality of pins with horizontal support portions are formed, and the plurality of horizontal support portions support the entire weight of the bobbin on the printed circuit board.